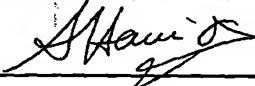


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

|   |  |                                      |                      |   |                              |                         |
|---|--|--------------------------------------|----------------------|---|------------------------------|-------------------------|
| Direct all correspondence to: <input type="checkbox"/>  |  | Customer Number<br>or Bar Code Label | <input type="text"/> | OR <input checked="" type="checkbox"/>  | Correspondence address below |                         |
| Name  |  |                                      |                      |   |                              |                         |
| Address   |  |                                      |                      |   |                              |                         |
| City  |  |                                      | State                |   | ZIP                          |                         |
| Country   |  | Telephone                            |                      |   | Fax                          |                         |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. |  |                                      |                      |   |                              |                         |
| NAME OF SOLE OR FIRST INVENTOR :  |  |                                      |                      | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                              |                         |
| Given Name Hamid<br>(first and middle [if any])   |  |                                      |                      | Family Name OULD-BRAHIM<br>or Surname   |                              |                         |
| Inventor's Signature   |  |                                      |                      | Date July 11, 2003  |                              |                         |
| Kanata<br>Residence: City   |  | ON<br>State                          |                      | Canada<br>Country   |                              | Canadian<br>Citizenship |
| Mailing Address 21 Wynridge Place   |  |                                      |                      |   |                              |                         |
| Kanata<br>City  |  | ON<br>State                          |                      | K2M 2S8<br>ZIP  |                              | Canada<br>Country       |
| NAME OF SECOND INVENTOR:  |  |                                      |                      | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                              |                         |
| Given Name<br>(first and middle [if any])   |  |                                      |                      | Family Name<br>or Surname   |                              |                         |
| Inventor's Signature  |  |                                      |                      | Date  |                              |                         |
| Residence: City   |  | State                                |                      | Country   |                              | Citizenship             |
| Mailing Address   |  |                                      |                      |   |                              |                         |
| City  |  | State                                |                      | ZIP   |                              | Country                 |
| <input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.   |  |                                      |                      |   |                              |                         |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |                          |                    |
|---|--------------------------|--------------------|
| <b>DECLARATION FOR UTILITY OR<br/>DESIGN<br/>PATENT APPLICATION<br/>(37 CFR 1.63)</b><br><br><input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required) | Attorney Docket Number   | 38898-0047         |
|   | First Named Inventor     | OULD-BRAHIM, Hamid |
|   | <b>COMPLETE IF KNOWN</b> |                    |
|   | Application Number       |                    |
|   | Filing Date              |                    |
|   | Art Unit                 |                    |
|   | Examiner Name            |                    |

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HIERARCHICAL OPTICAL VPNs IN A CARRIER'S CARRIER VPN ENVIRONMENT

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country       | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed     | Certified Copy Attached? |                                     |
|-------------------------------------|---------------|----------------------------------|--------------------------|--------------------------|-------------------------------------|
|                                     |               |                                  |                          | YES                      | NO                                  |
| 60/396,899                          | United States | 07/17/2002                       | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|                                     |               |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
|                                     |               |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
|                                     |               |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**APPENDIX B-9**

PATENT/DOCKET NO. \_\_\_\_\_  
CUSTOMER NO. \_\_\_\_\_

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                                  |   |                                |
|----------------------------------|---|--------------------------------|
| In Re Application of:            | § | Attorney Docket No. 38898-0047 |
|                                  | § |                                |
| Serial No.: n/a                  | § |                                |
|                                  | § |                                |
| Filed: Herewith                  | § | Group Art Unit: n/a            |
|                                  | § |                                |
| Title: HIERARCHICAL OPTICAL VPNS | § | Examiner: n/a                  |
| (HOVPN) IN A CARRIER'S           | § |                                |
| CARRIER VPN ENVIRONMENT          | § |                                |

Commissioner for Patents  
Washington, D.C. 20231

**POWER OF ATTORNEY FOR  
PATENT APPLICATION**

Nortel Networks Limited, a Canadian corporation having principal offices at:

**2351 Boulevard Alfred-Nobel  
St. Laurent, Quebec H4S 2A9, Canada**

the owner by assignment of the entire right, title and interest to the invention for HIERARCHICAL OPTICAL VPNS (HOVPN) IN A CARRIER'S CARRIER VPN ENVIRONMENT, by OULD-BRAHIM, Hamid and in and to the application for patent and any Letters Patent, whether domestic or foreign, that may issue thereon, hereby appoints the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

W. Charles Kent, Registration No. 26,135; and/or  
William R. Edgar, Registration No. 27,522; and/or  
Mitchell B. Charness, Registration No. 46,416; and/or  
Adrian Zahl, Registration No. 35,774.

its attorneys with full power of substitution and revocation, to prosecute all domestic and foreign patent applications, including PCT and EPO filings, relating to said invention and to transact all business connected therewith, including signing of all papers on its behalf and making alterations and amendments.

Please address all correspondence and telephone calls regarding this application to:

Mr. W. Charles Kent, of RIDOUT & MAYBEE LLP, whose full office address is 150  
Metcalf Street, 19<sup>th</sup> Floor, Ottawa, Ontario K2P 1P1, Canada,  
Telephone No. (613) 236-1995.

---

The undersigned is the representative for the Assignee of the entire right, title, and  
interest in the patent application identified above, and is authorized to act on behalf of the  
Assignee.

NORTEL NETWORKS LIMITED

July 15 2003  
Date

  
Name:

Director, IP  
Title

Applicant: Nortel Networks Limited  
Title: HIERARCHICAL OPTICAL VPNs IN A CARRIER'S CARRIER VPN ENVIRONMENT  
Serial No.: (unknown)  
Filed: (unknown)  
Executed: July 16, 2003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPOINTMENT OF ASSOCIATE AGENT**


The undersigned, W. Charles Kent, Registration No. 26135, and William R. Edgar, Registration No. 27522, principal attorneys and/or agents appointed to prosecute this application hereby appoint as their associate attorney and/or agent to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

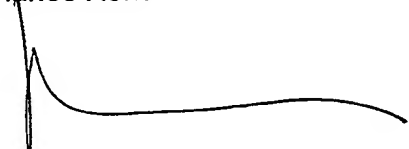
Lindsay McGuinness, (Registration No. 38549)

Mary Steubing, (Registration No. 37946)

of Steubing McGuinness & Manaras L.L.P. 30 Nagog Park, Acton, MA, 01720, United States of America.

Address all telephone calls to Ms. Lindsay McGuinness at (978) 264-6664 x304 and address all correspondence to Steubing McGuinness & Manaras L.L.P. at the above-captioned address.

  
\_\_\_\_\_  
W. Charles Kent

  
\_\_\_\_\_  
William R. Edgar